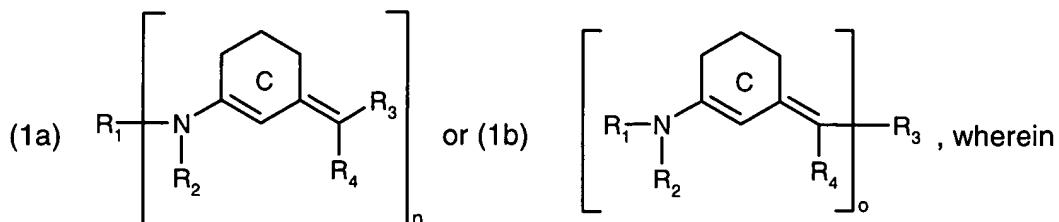


IN THE CLAIMS

1. (currently amended) A method of protecting human and animal hair and skin from UV radiation comprising, applying thereto use of a compound of formula



R₂ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or a cyano group;

R₄ is a cyano group; or -Q₁-R₅;

Q₁ is -COO-; -CONH-; -CO-; -SO₂-; or -CONR₆-;

R₅ is C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; or unsubstituted or C₁-C₆alkyl-substituted C₆-C₂₀aryl;

R₆ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

the cyclohexene radical C is not substituted or substituted by one or more C₁-C₅alkyl;

n is from 2 to 4;

o is from 2 to 4;

if n = 2, in formula (1a)

R₁ is an alkylene, cycloalkylene or phenylene-radical; or R₁ and R₂ simultaneously form an alkylene, cycloalkylene or phenylene radical; and

R₃ is a cyano group or -Q₁-R₅; or R₃ and R₄ together form a 5- to 7-membered, monocyclic carbocyclic ring, which is optionally interrupted by -O- or -NR₇-;

If o = 2, in formula (1b)

R₃ is an alkylene, cycloalkylene or phenylene radical, which is optionally substituted with C₁-C₄alkyl, C₁-C₄alkoxy, -COR₆, -COOR₆ or -CONHR₆; and

R₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR₇-;

R₇ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

m is a number from 3 to 7;

if n = 3, in formula (1a)

R₁ is a trivalent alkyl group, which is optionally interrupted by one or more -O- or -NR₇-groups; and

R₃ is a cyano group or -Q₁-R₅; or R₃ and R₄ together form a 5- to 7-membered, monocyclic carbocyclic ring;

if o = 3, in formula (1b)

R₃ is an alkylidene, cycloalkylidene or phenylidene radical; and

R₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR₇-;

if n = 4, in formula (1a)

R₁ is a tetravalent alkyl group; and

R₃ is a cyano group; or -Q₁-R₅; or R₃ and R₄ together form a 5- to 7-membered, monocyclic carbocyclic ring;

if n = 4, in formula (1b)

R₃ is a tetravalent alkyl group; and

R₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR₇-I;J

~~in protecting human and animal hair and skin from UV radiation.~~

2. (currently amended) A method according to claim 1, wherein in formula (1a)

R₁ is defined as in formula (1a);

R₂ is hydrogen;

R₃ is a cyano group;

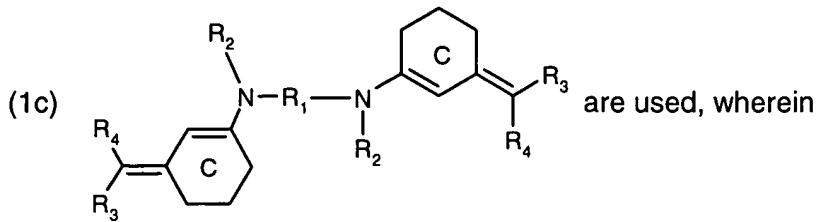
R₄ is -CONHR₅; and

R₅ is C₁-C₂₂alkyl; or C₆-C₂₀aryl.

3. (currently amended) A method according to claim 1, wherein

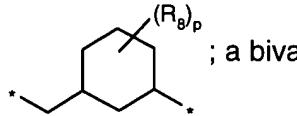
if n = 2,

compounds of formula

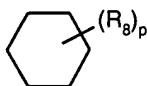


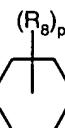
R_1 is a $\cdot-(CH_2)_m\cdot$ group, not substituted or substituted with one or more than one C_1-C_5 radicals; a

bivalent radical of formula (1a₁)



; a bivalent radical of formula

(1a₂)  ; or R_1 and R_2 together with the 2 linking nitrogen atoms form a bivalent radical

of formula (1a₃) 

R_8 is hydrogen; or C_1-C_5 alkyl;

R_3 is a cyano group; or $-Q_1-R_5$;

p is a number from 0 to 3;

the cyclohexene radical C is not substituted or substituted by one or more C_1-C_5 alkyl; and

R_2 , R_4 , R_6 , Q_1 and m are defined as in claim 1. R_2 is hydrogen; C_1-C_{22} alkyl; cyclo- C_3-C_8 alkyl;

unsubstituted or C_1-C_6 alkyl- or C_1-C_6 alkoxy-substituted C_6-C_{20} aryl; or a cyano group;

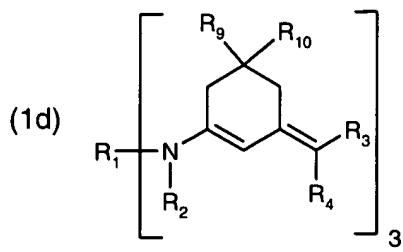
R_4 is a cyano group; or $-Q_1-R_5$;

Q_1 is $-COO-$; $-CONH-$; $-CO-$; $-SO_2-$; or $-CONR_6-$;

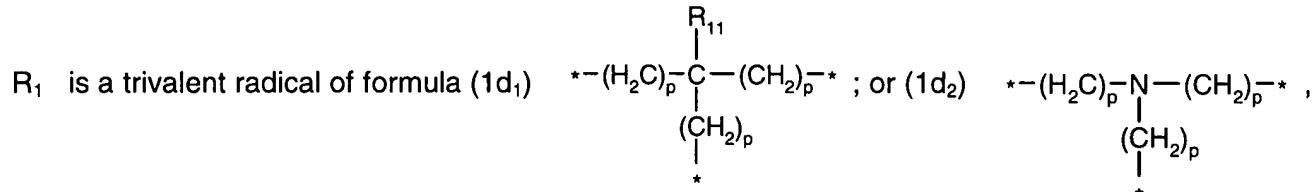
R_5 is C_1-C_{22} alkyl; cyclo- C_3-C_8 alkyl; or unsubstituted or C_1-C_6 alkyl-substituted C_6-C_{20} aryl; and

R_6 is hydrogen; C_1-C_{22} alkyl; cyclo- C_3-C_8 alkyl; unsubstituted or C_1-C_6 alkyl- or C_1-C_6 alkoxy-substituted C_6-C_{20} aryl.

4. (currently amended) A method according to claim 1, wherein compounds of formula



are used, wherein



R_2 is hydrogen; or C₁-C₅alkyl;

R_3 and R_4 , independently from each other are a cyano group; or -Q₁-R₅;

Q_1 is -COO-; -CONH-; -CO-; -SO₂-; -CONR₁₂-;

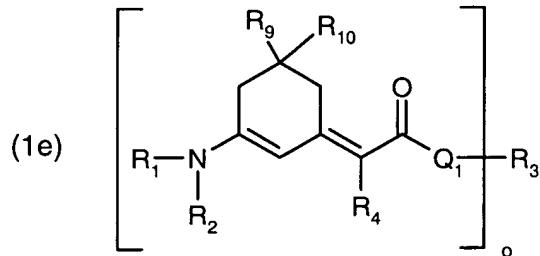
R_5 is C₁-C₅alkyl;

R_9 and R_{10} independently from each other are C₁-C₄alkyl;

R_{11} and R_{12} independently from each other are hydrogen; or C₁-C₅alkyl; and

p is a number from 0 to 5.

5. (currently amended) A method according to claim 1, wherein compounds of formula



are used, wherein

R_1 and R_2 are each independently of the other C₁-C₂₂alkyl; or a cyano group; or R_1 and R_2 together with the nitrogen atom linking them form a -(CH₂)_m-ring which is optionally interrupted by -O- or by -NR₇-;

R_4 is a cyano group; or -Q₁-R₅;

o is 3; or 4;

if $o = 3$

R₂ is a trivalent alkyl radical;

if o = 4

R₂ is a tetravalent alkyl radical;

Q₁ is -COO-; -CONH-; -CO-; -SO₂-; or -CONR₆-;

R₅ is C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; or unsubstituted or C₁-C₆alkyl-substituted C₆-C₂₀aryl;

R₆ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

m is a number from 3 to 7;

R₇ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

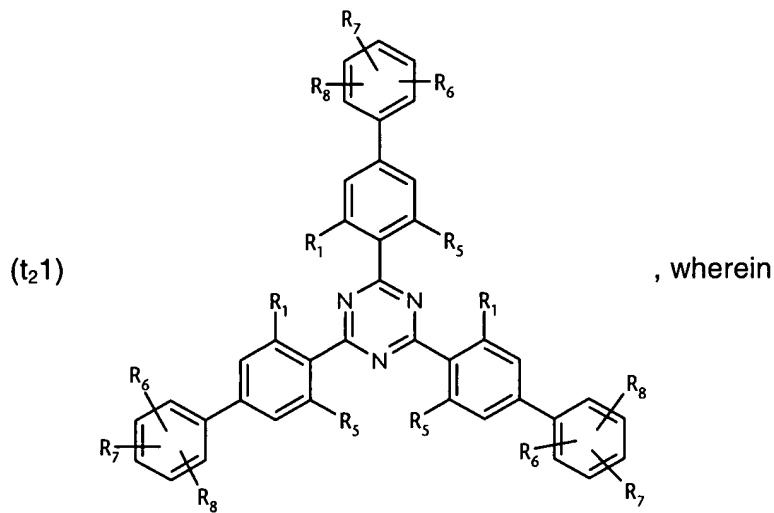
R₆, R₇, Q₁ and m are defined as in claim 1; and

R₉ and R₁₀ independently from each other are C₁-C₄alkyl

R₉ and R₁₀ are defined as in claim 4.

6. (currently amended) A method according to any of claim[[s]] 1 to 5, wherein an additional UV absorber is used.

7. (currently amended) A method according to claim 6 wherein the additional UV absorber is selected from the triazine compounds of formula



R₁ and R₅ are hydrogen; C₁-C₁₈alkyl; or C₆-C₁₂aryl; and

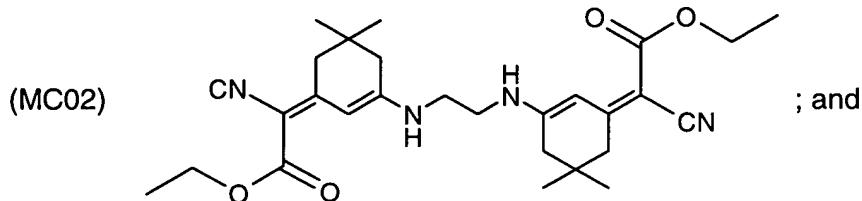
R₆, R₇ and R₈, independently from each other are hydrogen; hydroxy; halogen; C₁-C₁₈alkyl; C₁-

C₁₈alkoxy; C₆-C₁₂aryl; biphenyl; C₆-C₁₂aryloxy; C₁-C₁₈alkylthio; carboxy; -COOM; C₁-C₁₈-

alkylcarboxyl; aminocarbonyl; or mono- or di-C₁-C₁₈alkylamino; C₁-C₁₀acylamino; or -COOH.

8. (currently amended) A method according to claim 6 or 7, wherein a UV filter combination comprising

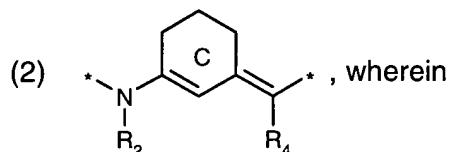
(t₃) the compound of formula



(t₄) 1,3,5-Triazine, 2,4,6-tris[1,1'-biphenyl]-4-yl- (9CI)[[.]])

is used.

9. (currently amended) A method of protecting human and animal hair and skin from UV radiation comprising, applying thereto of a momomeric, oligomeric or polymeric compound comprising structural elements of formula



at least one of the asterix-marked radicals may be bound to the momomeric, oligomeric or polymeric radical;

the cyclohexene radical C is not substituted or substituted by one or more C₁-C₅alkyl; and

R₂ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or a cyano group;

R₄ is a cyano group; or -Q₁-R₅;

Q₁ is -COO-; -CONH-; -CO-; -SO₂-; or -CONR₆-;

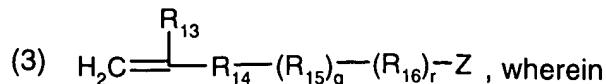
R₅ is C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; or unsubstituted or C₁-C₆alkyl-substituted C₆-C₂₀aryl; and

R₆ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl

R₂ and R₄ are defined as in claim 1;

as UV chromophores in protecting human and animal hair and skin from UV radiation.

10.(currently amended) A method according to claim 9, wherein the momomeric, oligomeric or polymeric compound corresponds to formula



Z is a radical of formula (2);

R_{13} is hydrogen; halogen; or $\text{C}_1\text{-C}_5$ alkyl;

R_{14} is $-\text{CONH-}$; $-\text{COO-}$; or a phenylene radical;

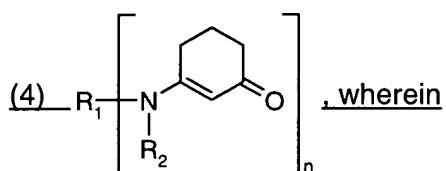
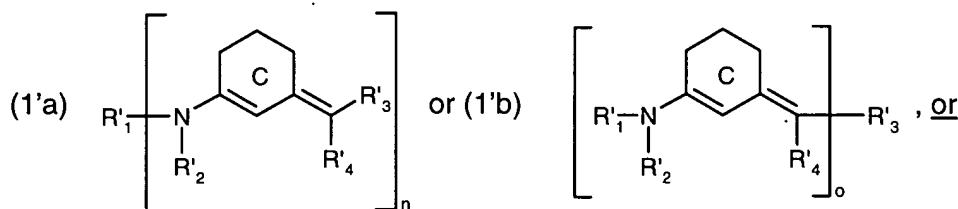
R_{15} is $\text{C}_1\text{-C}_{20}$ alkylene; or $\text{C}_6\text{-C}_{20}$ arylene;

R_{16} is $-\text{COO-}$; $-\text{OCO-}$; $-\text{CONH-}$; $-\text{NH-CO-O-}$; $-\text{NH-CO-}$; $-\text{SO}_2\text{NH-}$; $-\text{NHSO}_2-$; $-\text{SO}_2-$ or $-\text{O-}$;

q is 0; or an integer; and

r is 0; or an integer.

11. (currently amended) Compounds of formula



R_2 is hydrogen; $\text{C}_1\text{-C}_{22}$ alkyl; cyclo- $\text{C}_3\text{-C}_8$ alkyl; unsubstituted or $\text{C}_1\text{-C}_6$ alkyl- or $\text{C}_1\text{-C}_6$ alkoxy-substituted $\text{C}_6\text{-C}_{20}$ aryl; or R_1 and R_2 together with the nitrogen atom linking them form a $-(\text{CH}_2)_m-$ ring which is optionally interrupted by $-\text{O-}$ or $-\text{NR}_3-$:

R_3 is hydrogen; $\text{C}_1\text{-C}_{22}$ alkyl; cyclo- $\text{C}_3\text{-C}_8$ alkyl; or unsubstituted or $\text{C}_1\text{-C}_6$ alkyl-substituted $\text{C}_6\text{-C}_{20}$ aryl;

m is from 3 to 7;

n is from 2 to 4;

the cyclohexene radical C is not unsubstituted or substituted by one or more $\text{C}_1\text{-C}_5$ alkyl;

when $n = 2$, in formula (4)

R_1 and R_2 simultaneously form an alkylene, cycloalkylene or phenylene radical;

when $n = 3$, in formula (4)

R_1 is a trivalent alkyl group, which is optionally interrupted by one or more $-\text{O-}$ or $-\text{NR}_3-$ groups;

when $n = 4$, in formula (4)

R_1 is a tetravalent alkyl group which is optionally interrupted by one or more $-\text{O-}$ or $-\text{NR}_3-$ groups

R'₂ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; a cyano group; or R'₁ and R'₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR'₇-;

R'₄ is -Q'₁-R'₅;

Q'₁ is -COO-; -CONH-; -CO-; -SO₂-; or -CONR'₆-;

R'₅ is C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; or unsubstituted or C₁-C₆alkyl-substituted C₆-C₂₀aryl;

R'₆ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

R'₇ is hydrogen; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl;

~~the cyclohexene radical C is not substituted or substituted by one or more C₁-C₆alkyl;~~

~~m is from 3 to 7;~~

~~n is from 2 to 4;~~

~~o is from 2 to 4;~~

if n = 2, in formula (1'a)

R'₁ is an alkylene, cycloalkylene or phenylene-radical; or R'₁ and R'₂ simultaneously form an alkylene, cycloalkylene or phenylene radical; and

R'₃ is a cyano group or -Q'₁-R'₅; or R'₃ and R'₄ together form a 5- to 7-membered, monocyclic carbocyclic ring;

If o = 2, in formula (1'b)

R'₃ is an alkylene, cycloalkylene or phenylene radical; and

R'₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R₁ and R₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR'₇-;

if n = 3, in formula (1'a)

R'₁ is a trivalent alkyl group, which is optionally interrupted by one or more -O- or -NR'₇-groups; and

R'₃ is a cyano group or -Q'₁-R'₅; or R'₃ and R'₄ together form a 5- to 7-membered, monocyclic carbocyclic ring;

if o = 3, in formula (1'b)

R'₃ is an alkylidene, cycloalkylidene or phenylidene radical; and

R'₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R'₁ and R'₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR'₇-;

if n = 4, in formula (1'a)

R'₁ is a tetravalent alkyl group; and
R'₃ is a cyano group or -Q'₁-R'₅; or R'₃ and R'₄ together form a 5- to 7-membered, monocyclic carbocyclic ring;
if o = 4, in formula (1'b)
R'₃ is a tetravalent alkyl group; and
R'₁ is hydrogen; a cyano group; C₁-C₂₂alkyl; cyclo-C₃-C₈alkyl; unsubstituted or C₁-C₆alkyl- or C₁-C₆alkoxy-substituted C₆-C₂₀aryl; or R'₁ and R'₂ together with the nitrogen atom linking them form a -(CH₂)_m- ring which is optionally interrupted by -O- or by -NR'₇- .

12. (cancelled)

13. (currently amended) A method of protecting human and animal hair and skin from UV radiation comprising, applying thereto~~use of~~ the compounds of formula (4) according to claim 11~~12~~ as UV-B absorbers ~~in protecting human and animal hair and skin from UV radiation.~~

14. (currently amended) A method of u[[U]]se of the compounds of formula (4) according to claim 11~~12~~ as intermediates for the preparation of UV absorbers.

15. (currently amended) A cosmetic preparation comprising at least one or more compounds of formula (1a), or (1b) ~~or~~ (4) according to claim 1 ~~or~~ 12 with cosmetically acceptable carriers or adjuvants.

16. (new) A cosmetic preparation comprising at least one or more compounds of formula (1a), (1b) ~~or~~ (4) according to claim 11~~or~~ 12 with cosmetically acceptable carriers or adjuvants.